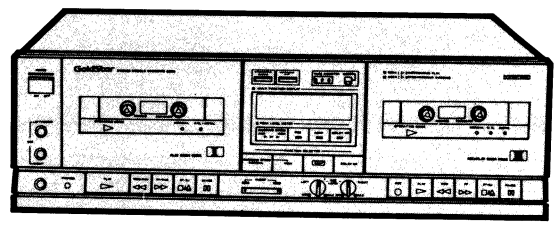
GoldStar

STEREO DOUBLE CASSETTE DECK

SERVICE MANUAL

CAUTION

BEFORE SERVICING THE CHASSIS, READ THE "SAFETY PRECAUTION" IN THIS MANUAL



MODEL: GSW-9320

GoldStar

CONTENTS

1. SPECIFICATIONS 2
2. NAMES OF CONTROL PARTS 3
3. ADJUSTMENTS 4
4. BLOCK DIAGRAM 10
5. SCHEMATIC DIAGRAM 11
6. PCB LAYOUT 12
7. WIRING DIAGRAM 13
8. IC EQUIVALENT CIRCUITS 14
9. EXPLODED VIEW
   - CABINET 16
   - RECORD/PLAYBACK DECK MECHANISM 17
   - PLAYBACK DECK MECHANISM 18
10. REPLACEMENT PARTS LIST 19
11. PACKING OF THE SET 22

SAFETY PRECAUTION

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual, electrical components having such features are identified by a ⚠ in the schematic diagram and the parts list. Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire or other hazards.

SPECIFICATIONS

1. Tape speed: High speed ..... 8.5 cm/sec
   Normal speed ..... 4.75 cm/sec
2. Wow & flutter (JIS-WTD) 0.1%
3. Audio response (3-4 dB range) ..... 100 Hz - 12.5 kHz
4. Signal-to-noise ratio (Dolby noise off) ..... 50 dB
5. Distortion (at playback, MTT-118) 1%
6. Cross talk (at playback, BPF, MTT-121) ..... 60 dB
7. Channel separation (at playback, 1 kHz) ..... 35 dB
8. Erase ratio (BPF) ..... 65 dB
9. Input sensitivity ..... 60 mV
10. Power requirement ..... AC 220 V, 50 Hz
11. Power consumption ..... 19 W
12. Dimension (Width × Height × Depth) ..... 430 × 127 × 310 (mm)
13. Weight ..... 5 Kg

NOTE: Specifications for this model are subject to change without prior notice.

NAMES OF CONTROL PARTS

[1] POWER Switch
[2] MIC Jacks
[3] DUBBING SPEED Buttons
[4] DUBBING SPEED Indicators
[5] PEAK LEVEL METER
[6] SYNCHRONOUS DUBBING Button
[7] CONTINUOUS PLAY Button
[8] TAPE COUNTER
[9] REC Indicator
[10] ASAP Indicator
[11] DOLBY NOISE Indicator
[12] DECK II: Cassette Compartment
[13] DECK II: PAUSE Button
[14] DECK II: STOP/EJECT Button
[15] DECK II: FAST FORWARD Button
[16] DECK II: REWIND Button
[17] DECK II: PLAY Button
[18] DECK II: RECORD Button
[19] DOLBY NOISE Button
[20] RECORD LEVEL Control (Right)
[21] RECORD LEVEL Control (Left)
[22] ASAP Button
[23] FADER Button
[24] DECK I: PAUSE Button
[25] DECK I: STOP/EJECT Button
[26] DECK I: F.F/CUE Button
[27] DECK I: REW/REV Button
[28] DECK I: PLAY Button
[29] DECK I: Cassette Compartment
[30] PHONES Jack
[31] LINE IN/OUT, REC/PLAY Jacks
[32] Power Cord

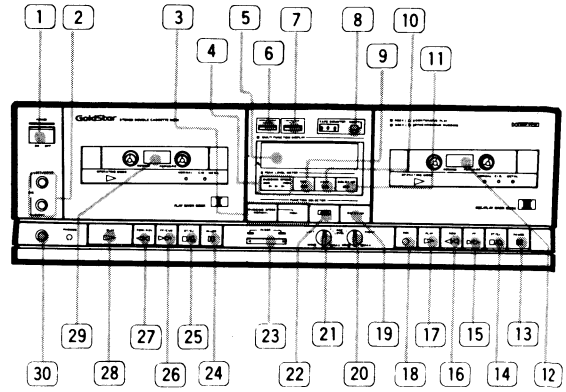


Figure 1 Front View

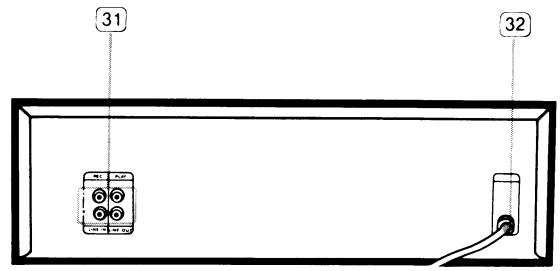


Figure 2 Back View

NOTE: For a complete description of the operation of this unit, please refer to the owner's manual.

ADJUSTMENTS

This cassette deck has been aligned at the factory and normally will not require further adjustment. As a result, it is not recommended that any attempt is made to modificate any circuit.
If any parts are replaced or if anyone tampers with the adjustment, realignment may be necessary.

ADJUSTMENT & TEST POINTS

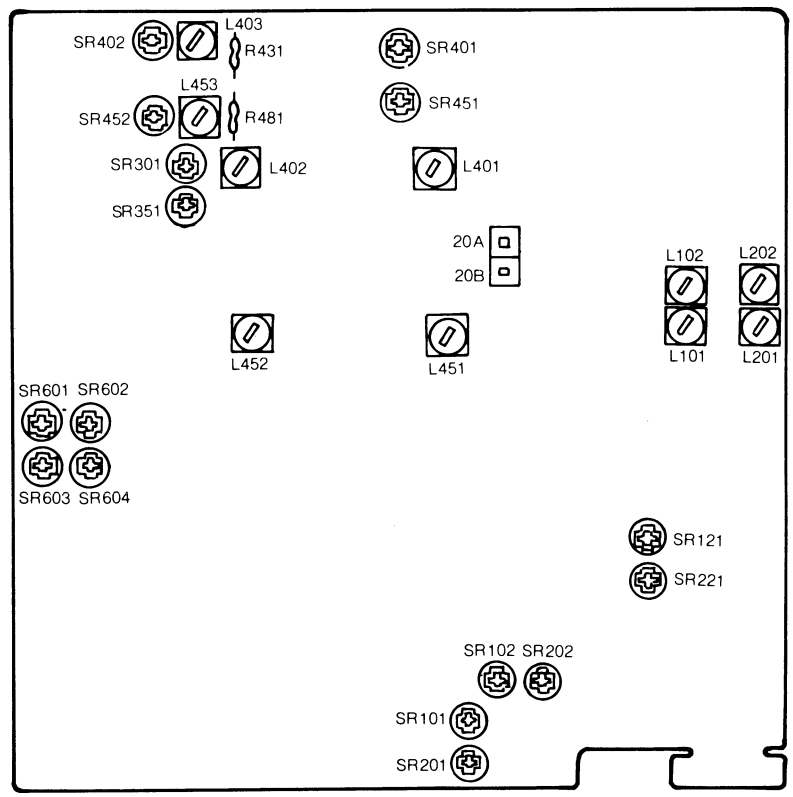


Figure 3 Main P.C. Board

1. AZIMUTH ADJUSTMENT

Deck mode	Test tape	Test point	Adjustment	Adjust for
Playback	MTT-114N	20A, 20B	Azimuth adjusting screw	R/L maximum

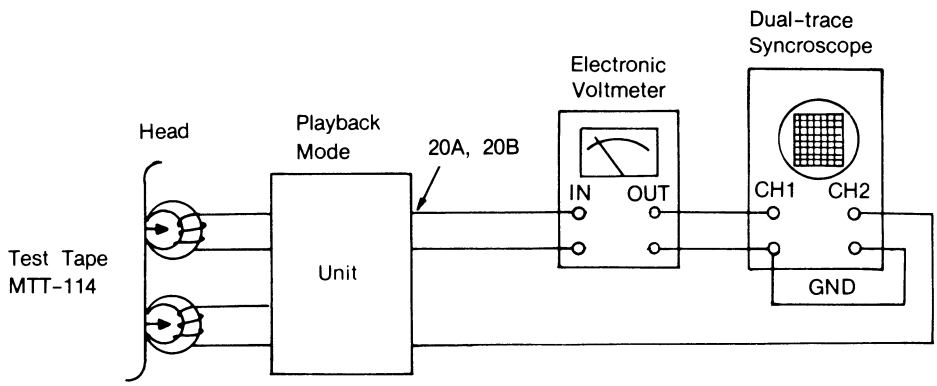


Figure 4 Azimuth Adjustment Connection Diagram

2. MOTOR SPEED ADJUSTMENT

Test stage	Deck mode	Test tape	Test point	Adjustment	Adjust for	Remark
High speed	Playback	MTT-111	20A, 20B	Deck A: SR604 Deck B: SR602	6kHz ± 60Hz	Deck A: High speed. Dubbing condition. Deck B: Earth the base of TR627.
Normal speed	Playback	MTT-111	20A, 20B	Deck A: SR603 Deck B: SR601	3kHz ± 30Hz	Restore the base of TR627.

Perform the high speed adjustment first and then the normal speed adjustment.

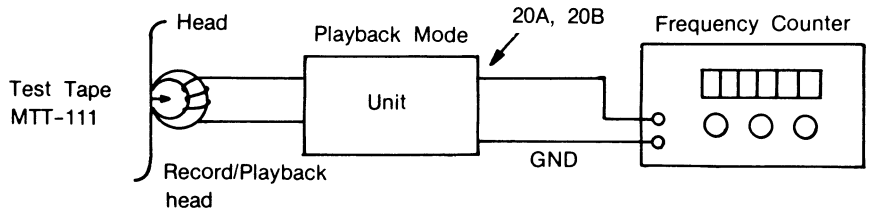


Figure 5 Motor Speed Adjustment Connection Diagram

3. PLAYBACK LEVEL ADJUSTMENT

Deck mode	Test tape	Test point	Adjustment	Adjust for
Playback	MTT-150	20A, 20B	Deck A: SR102, SR202 Deck B: SR121, SR221	580mV ± 1 dB

After you adjust to being associated with deck A and B, repeat the adjustment several times.

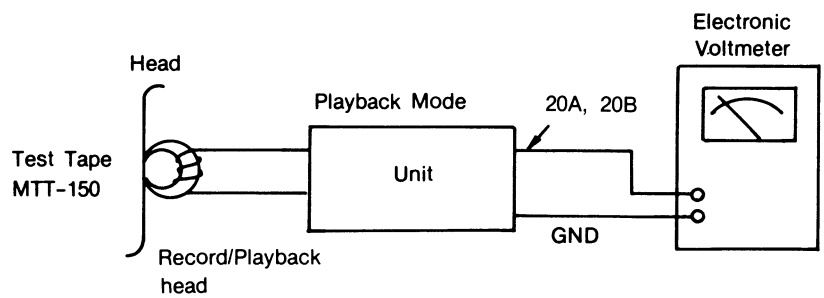


Figure 6 Playback Level Adjustment Connection Diagram

4. DUBBING LEVEL ADJUSTMENT

Deck	Deck mode	Test tape	Test point	Adjustment	Adjust for	Remark
Deck A	Playback	MTT-150	20A, 20B	SR101, SR201	580mV ± 1dB	Normal speed switch ON.
Deck B	R/P and Pause	Blank tape				

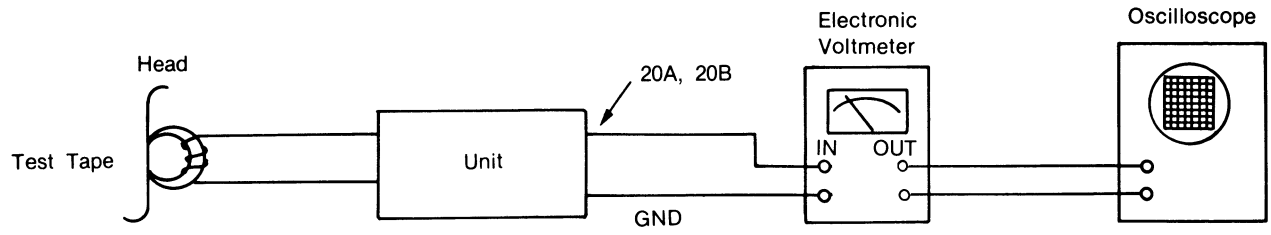


Figure 7 Dubbing Level Adjustment Connection Diagram

5. LEVEL METER ADJUSTMENT

Deck	Deck mode	Test tape	Test point	Adjustment	Adjust for At 20A, 20B	Remark
Deck A	Playback	MTT-150	Digitron meter (FIP301)	SR301 SR351	point at 580mV, adjust-ment so as to beacon until DD indicate (0dB) scale.	Deck B: Stop

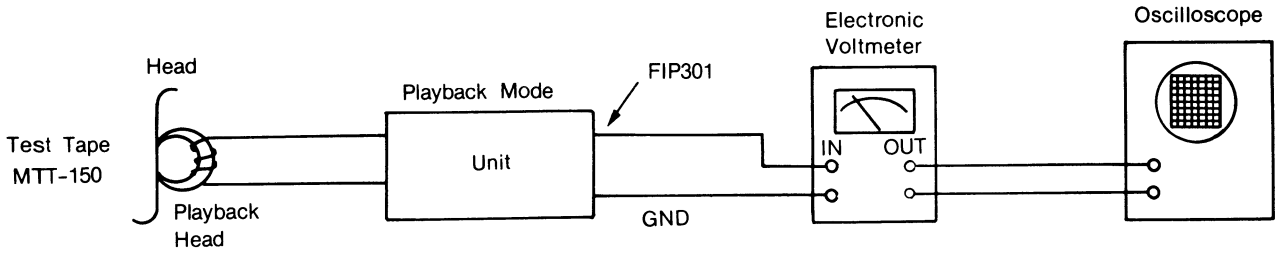


Figure 8 Level Meter Adjustment Connection Diagram

6. BIAS TRAP (1) ADJUSTMENT

Deck	Deck mode	Test tape	Test point	Adjustment	Adjust for	Remark
Deck B	R/P and pause	Metal tape	20A, 20B	L101, L201	Minimum	Metal function. Deck A: stop.

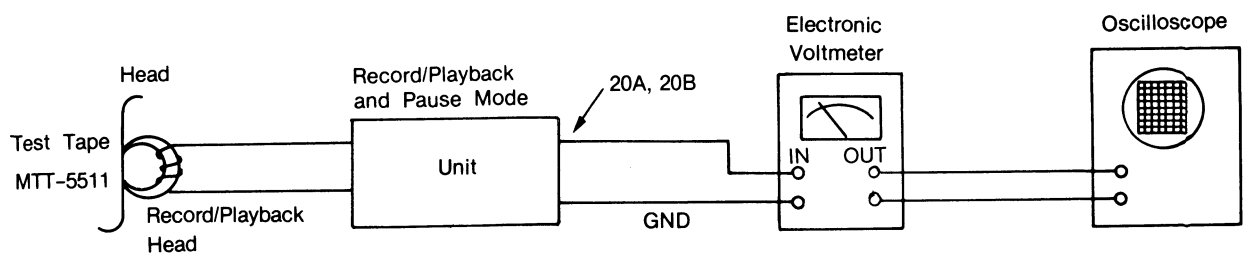


Figure 9 Bias Trap (1) Adjustment Connection Diagram

7. PILOT SIGNAL TRAP ADJUSTMENT

Deck	Deck mode	Test tape	Test point	Adjustment	Adjust for	Remark
Deck B	R/P and pause	Blank tape	20A, 20B	L102, L202	Minimum	Deck A: stop

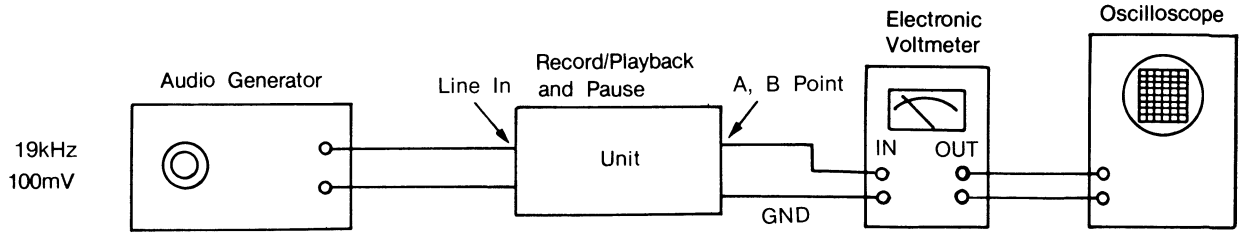


Figure 10 Pilot Signal Trap Adjustment Connection Diagram

8. BIAS TRAP (2) ADJUSTMENT

Deck	Deck mode	Test tape	Test point	Adjustment	Adjust for	Remark
Deck B	R/P and pause	Metal tape	R431, R481	L403, L453	Minimum	Metal function. Deck A: stop.

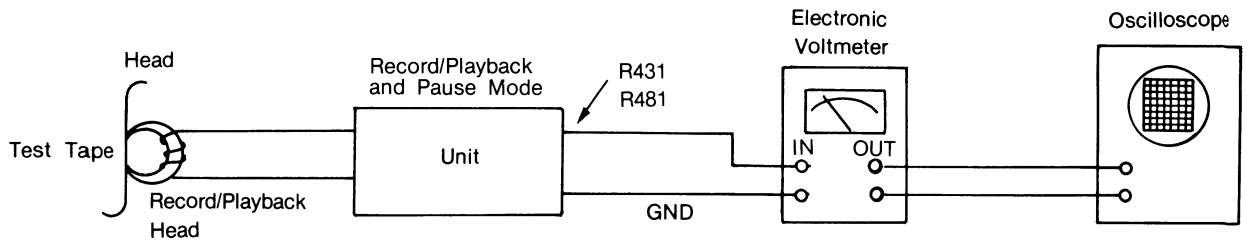


Figure 11 Bias Trap (2) Adjustment Connection Diagram

9. RECORD PEAKING FREQUENCY ADJUSTMENT (AT NORMAL SPEED)

Deck	Deck mode	Test point	Test point	Adjustment	Adjust for	Remark
Deck B	R/P and pause	Blank tape	R431, R481	L401, L451	Maximum	Dubbing off. Deck A: stop.

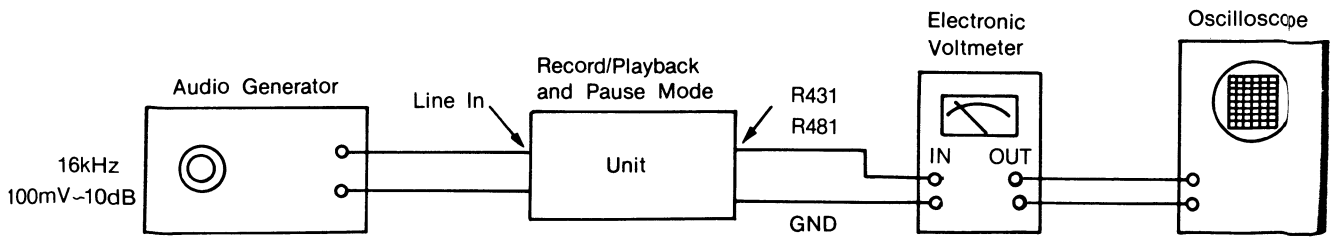


Figure 12 Record Peaking Frequency Adjustment Connection Diagram

10. RECORD PEAKING FREQUENCY ADJUSTMENT (AT HIGH SPEED)

Deck	Deck mode	Test tape	Test point	Adjustment	Adjustm for	Remark
Deck A	Playback	———	R431, R481	L402, L452	Maximum	Dubbing ON. High speed ON.
Deck B	R/P and pause	Blank tape				

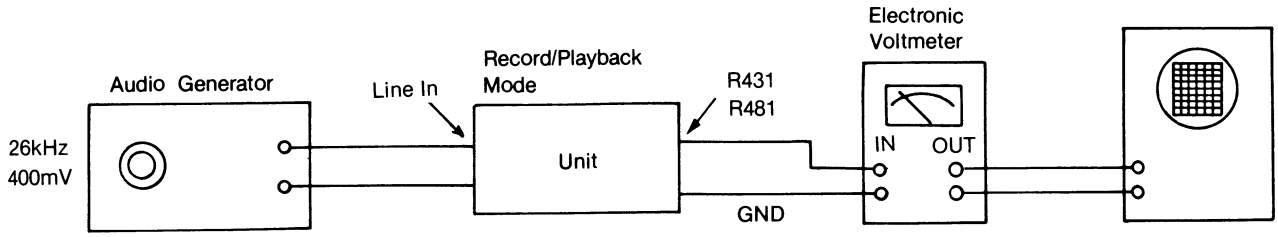


Figure 13 Record Peaking Frequency Adjustment Connection Diagram

11. RECORD LEVEL ADJUSTMENT

Deck	Deck mode	Test tape	Test point	Adjustment	Adjust for	Remark
Deck B	R/P→PB	MTT-5511 MTT-5561 MTT-5571	20A, 20B	SR401, SR451	580mV ± 1dB (At P/B)	Normal speed. Deck A: stop.

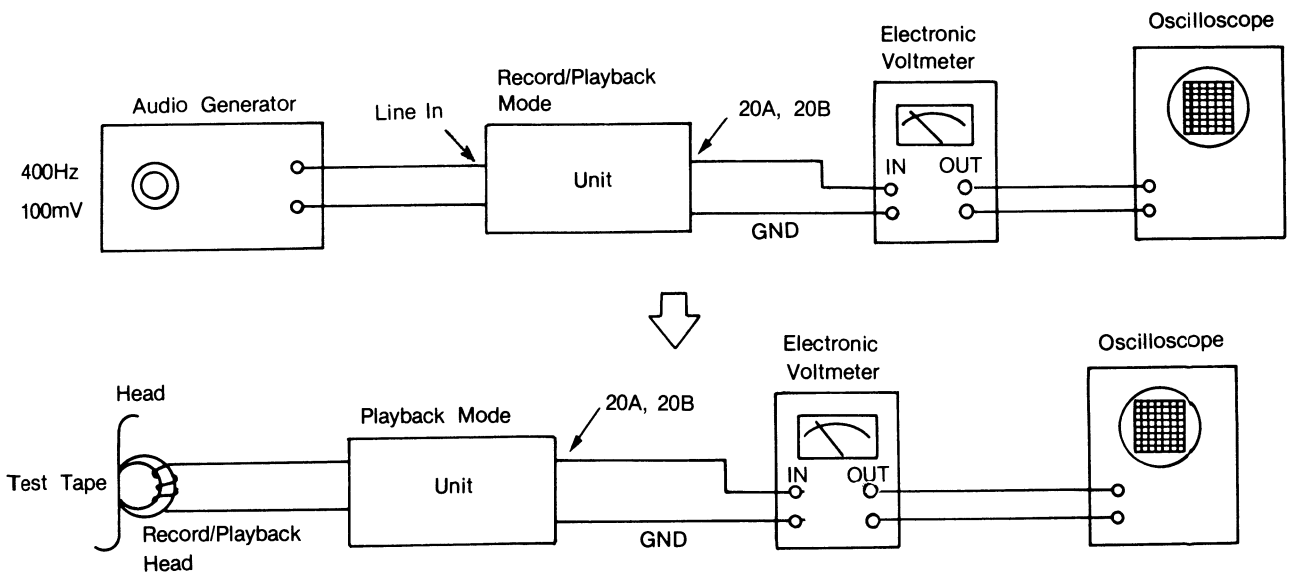


Figure 14 Record Level Adjustment Connection Diagram

12. RECORD/PLAYBACK FREQUENCY RESPONSE ADJUSTMENT

Deck	Deck mode	Test tape	Test point	Adjustment	Adjust for	Remark
Deck B	R/P→PB	MTT-5511 MTT-5561 MTT-5571	20A, 20B	SR402, SR452	Adjust response of 1kHz and 10kHz flat.	Confirmation of the dubbing spec after adjustment.

At 1kHz/10kHz 20A, 20B point adjustment of the input so as to 580mV-25dB.

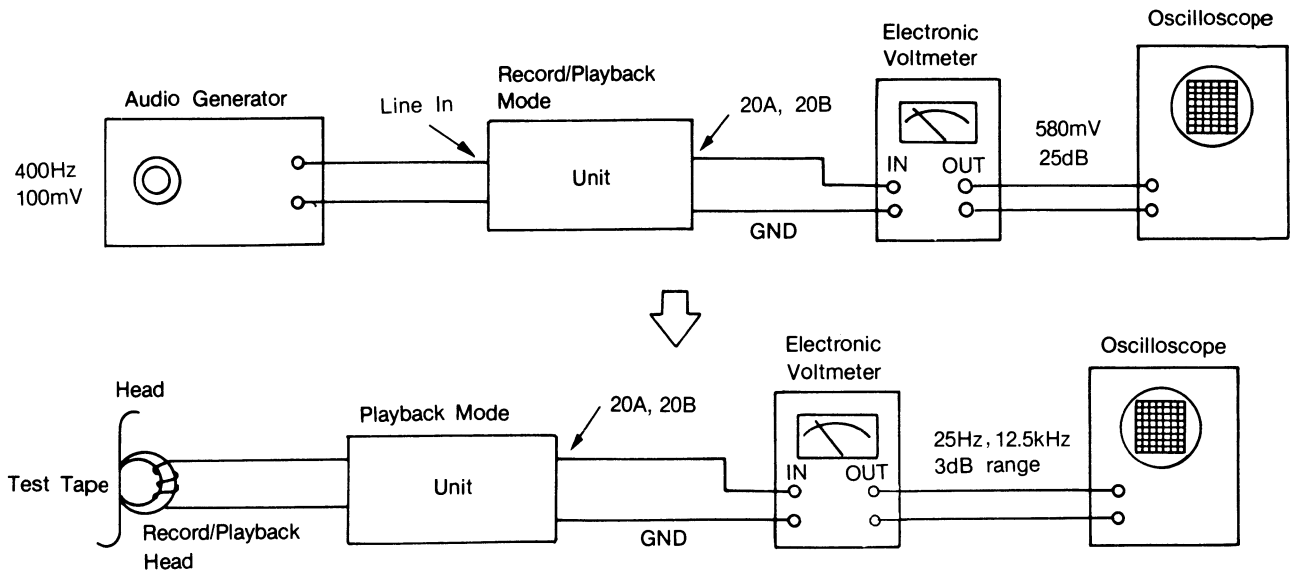
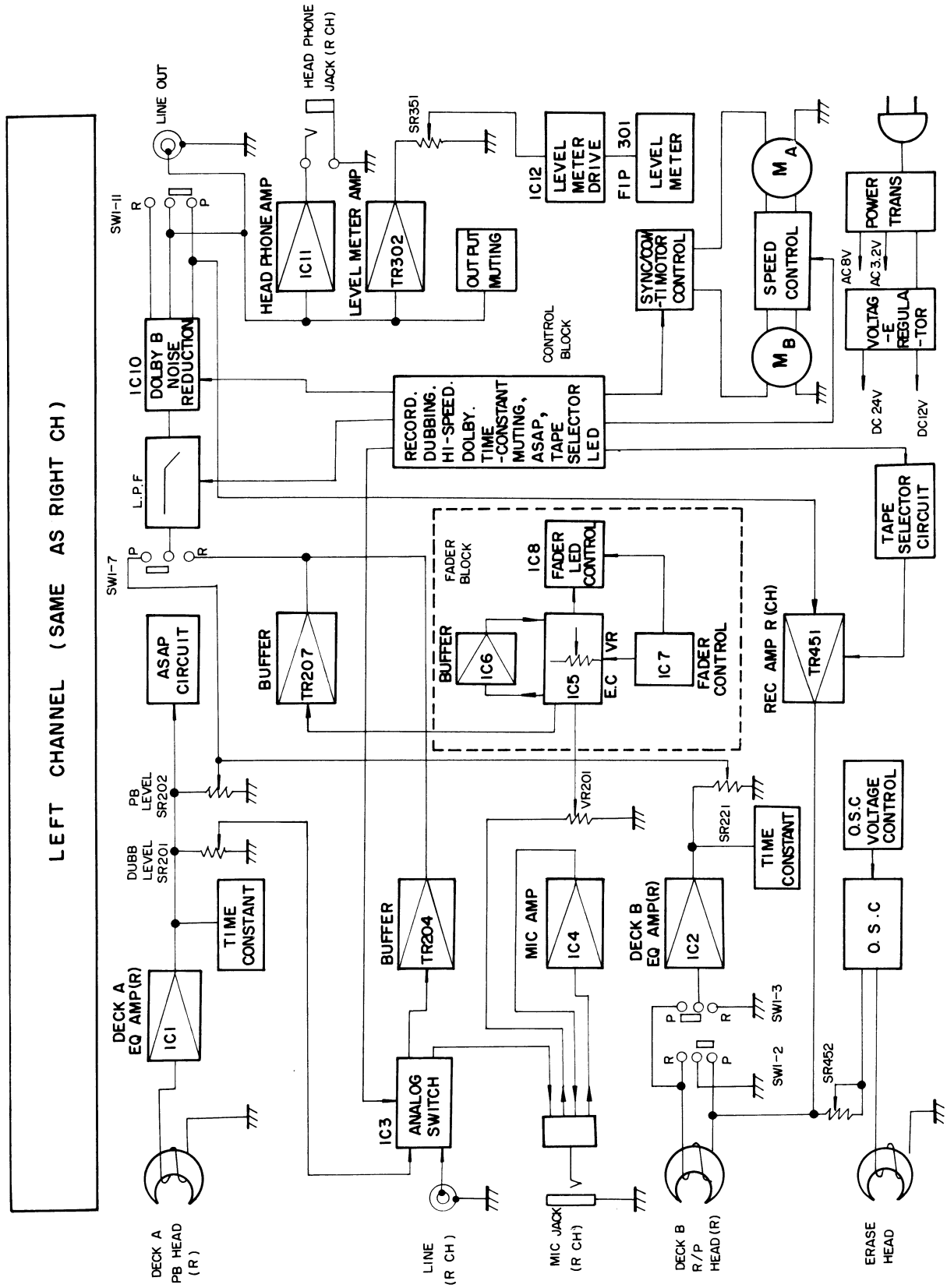
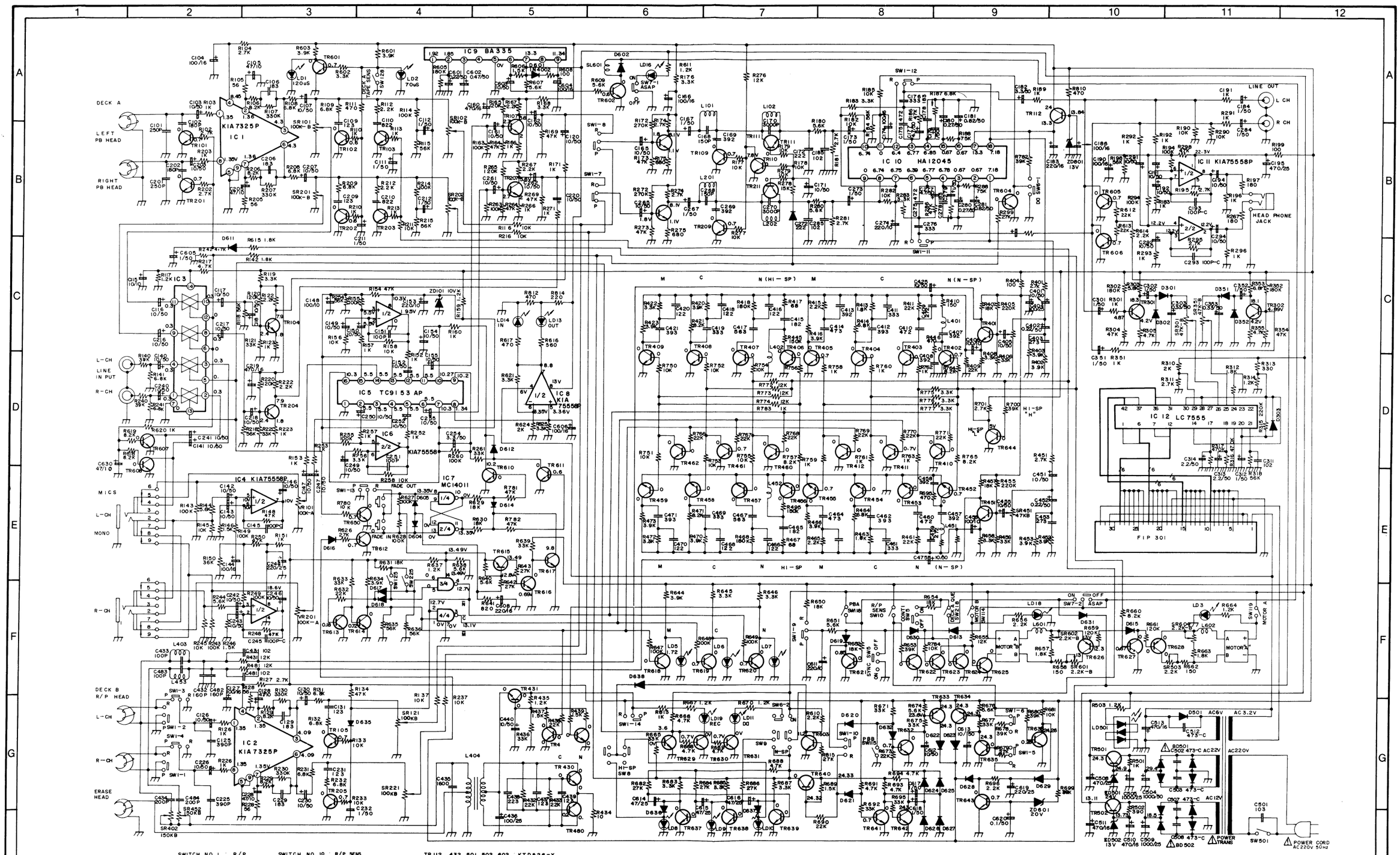


Figure 15 Record/Playback Frequency Response Adjustment Connection Diagram

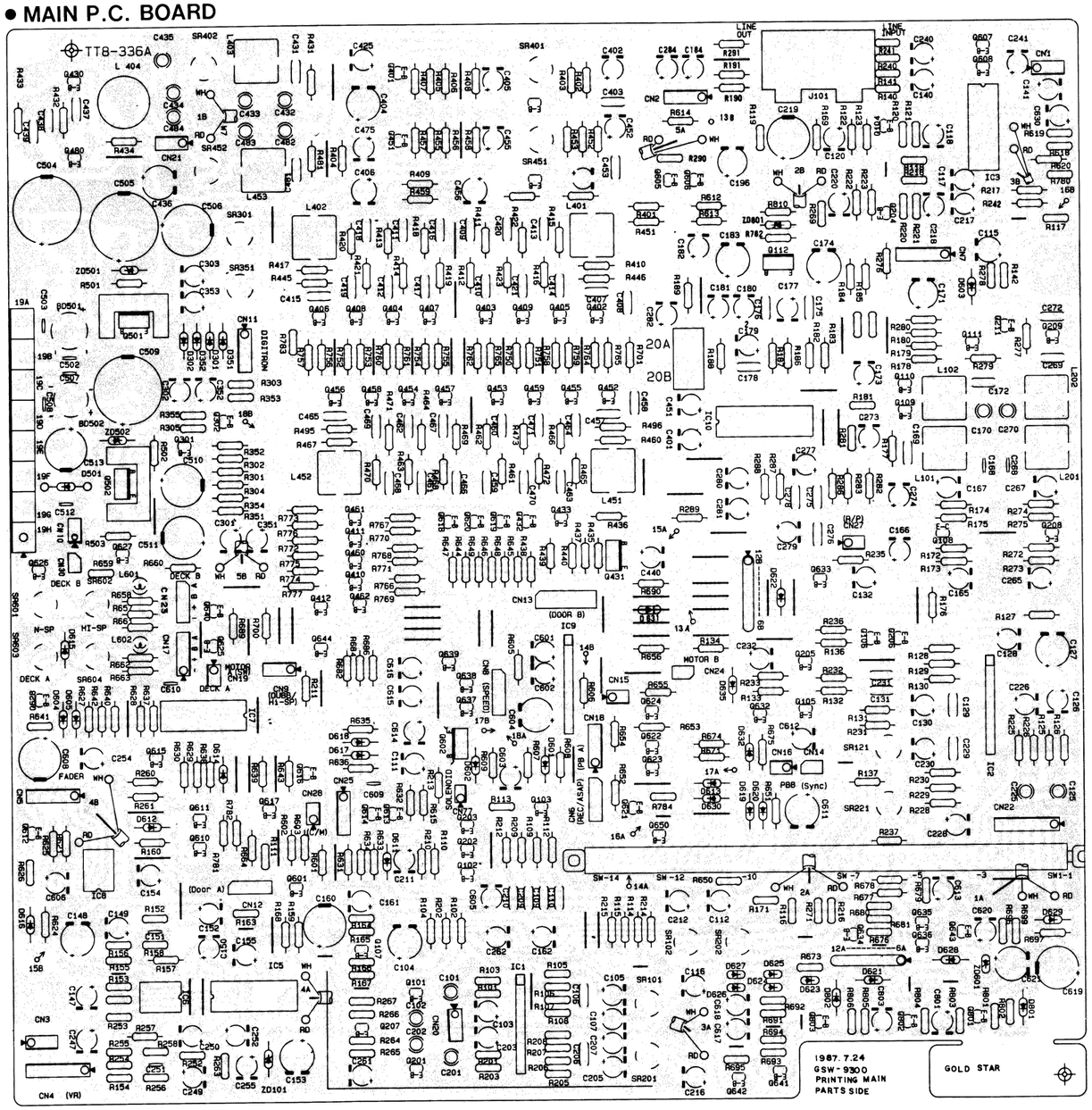
BLOCK DIAGRAM



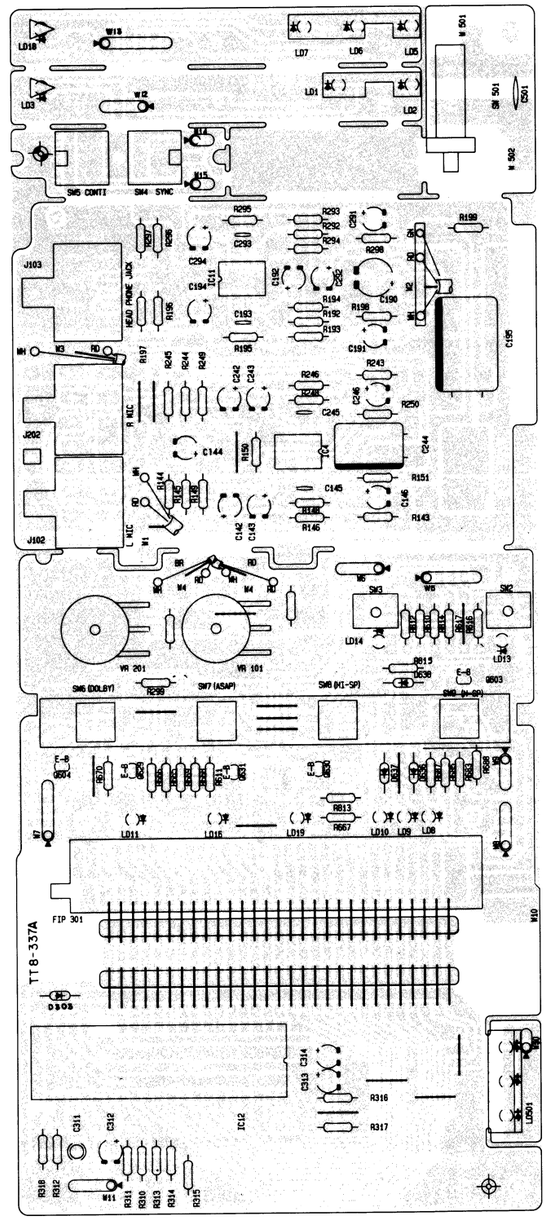

IC1 KIA7325P
IC2 KIA7325P
IC4 KIA75558P
IC5 TC9153 AP
IC6 KIA75558P
IC7 MC14011
IC8 KIA 75558P
IC9 BA335
IC10 HA12045
IC11 KIA75558P
IC12 LC7555
DECK A
LEFT PB HEAD
RIGHT PB HEAD
DECK B R/P HEAD
L-CH LINE IN PUT
R-CH
ERASE HEAD
MICS
L-CH
MONO
R-CH
LINE OUT
L CH
R CH
HEAD PHONE JACK
FIP 301
SWITCH NO. 1 : R/P
2 : FADER OUT
3 : FADER IN
4 : SYNC
5 : CONTI
6 : DOLBY
7 : ASAP
8 : HI-SP
9 : N-SP
SWITCH NO. 10 : R/P SENS
114 : DECK B MOTOR SW
115 : DECK B PB SW
118 : DECK A PB SW
119 : DECK A MOTOR SW
125 : TAPE SENS SW
225 : TAPE SENS SW
TR112, 432, 501, 502, 602 : KTD526-Y
TR430, 480, 625 : KTC2236AY
TR640 : KTA966A-Y
TR104, 107, 204, 207, 401, 451 : KTC732.TM-BL
TR108, 208 : MPS9635C
TR626, 628, 633, 634 : KTA1015Y
NOTES: 1. Resistance values are indicated in ohms unless otherwise specified (K = 1000, M = 1,000,000).
2. Capacitance values are shown in microfarads unless otherwise (P = MICRO-MICRO FARADS).
3. Since those parts marked with ⚠ are critical parts for safety, use the one described in the parts list!

PCB LAYOUT

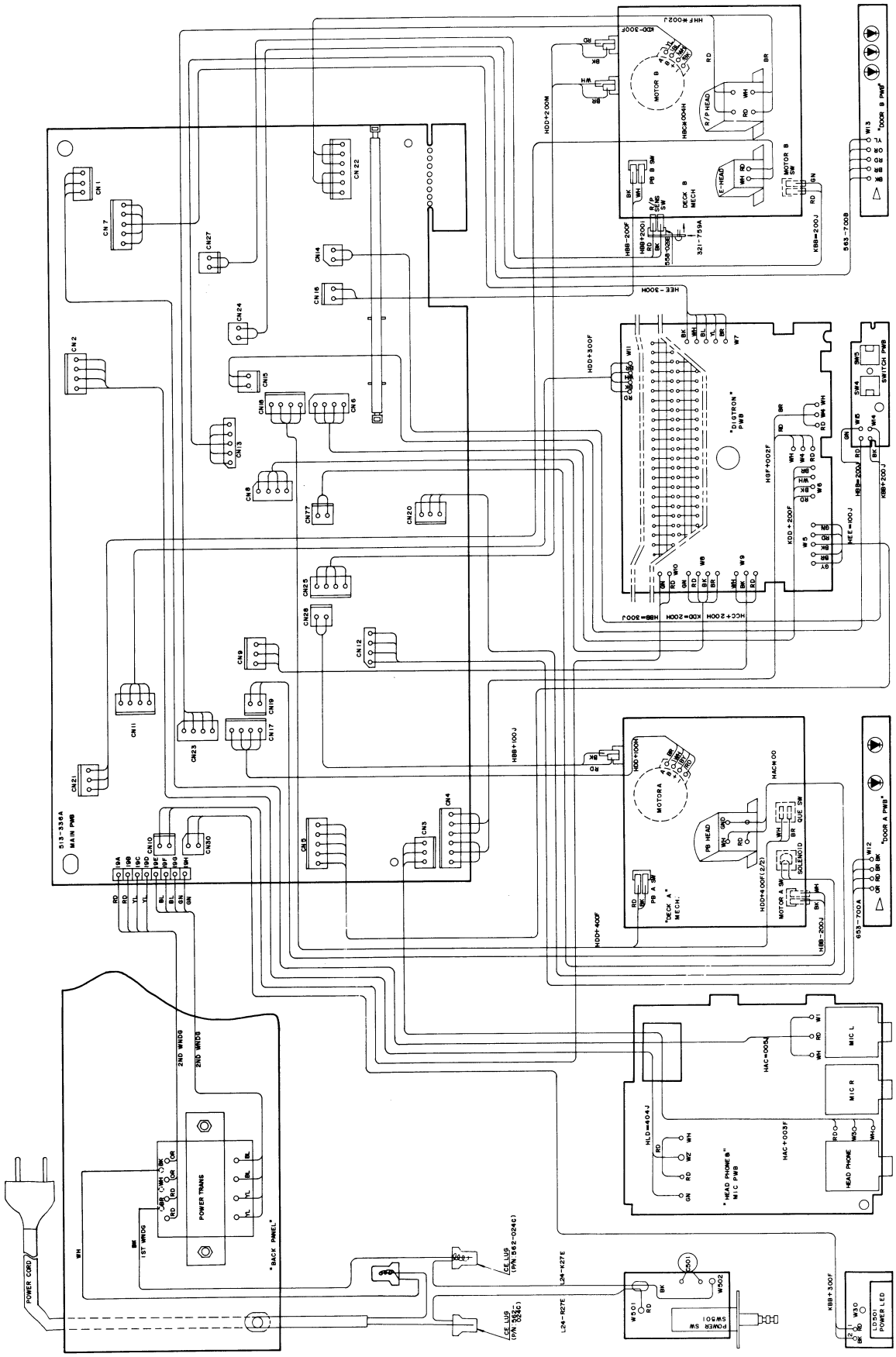
● MAIN P.C. BOARD



● SUB P.C. BOARD

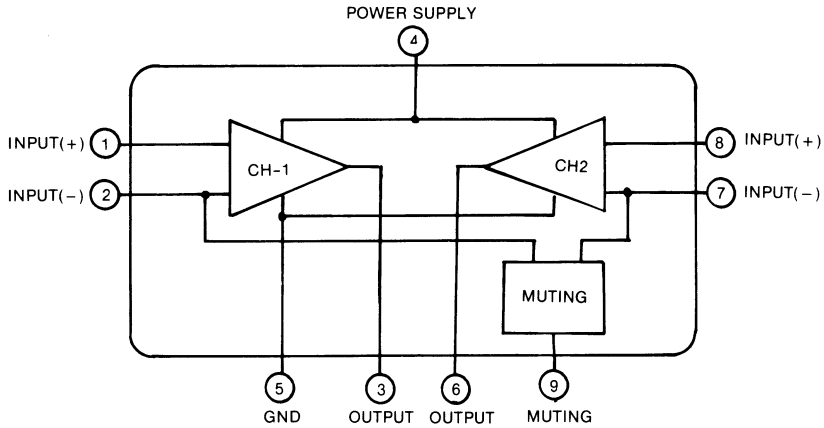


WIRING DIAGRAM

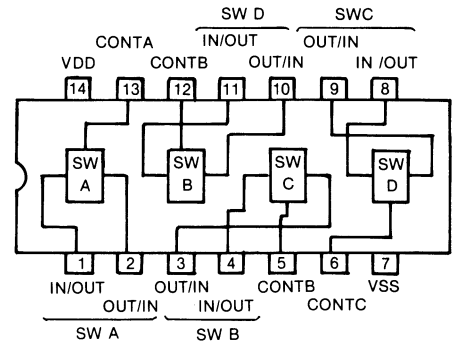


IC EQUIVALENT CIRCUITS

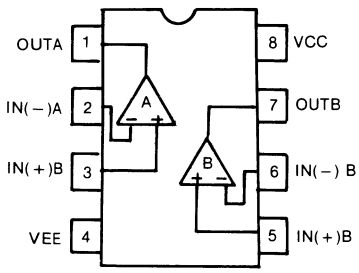
IC1, 2 KIA7325P (PRE AMP)



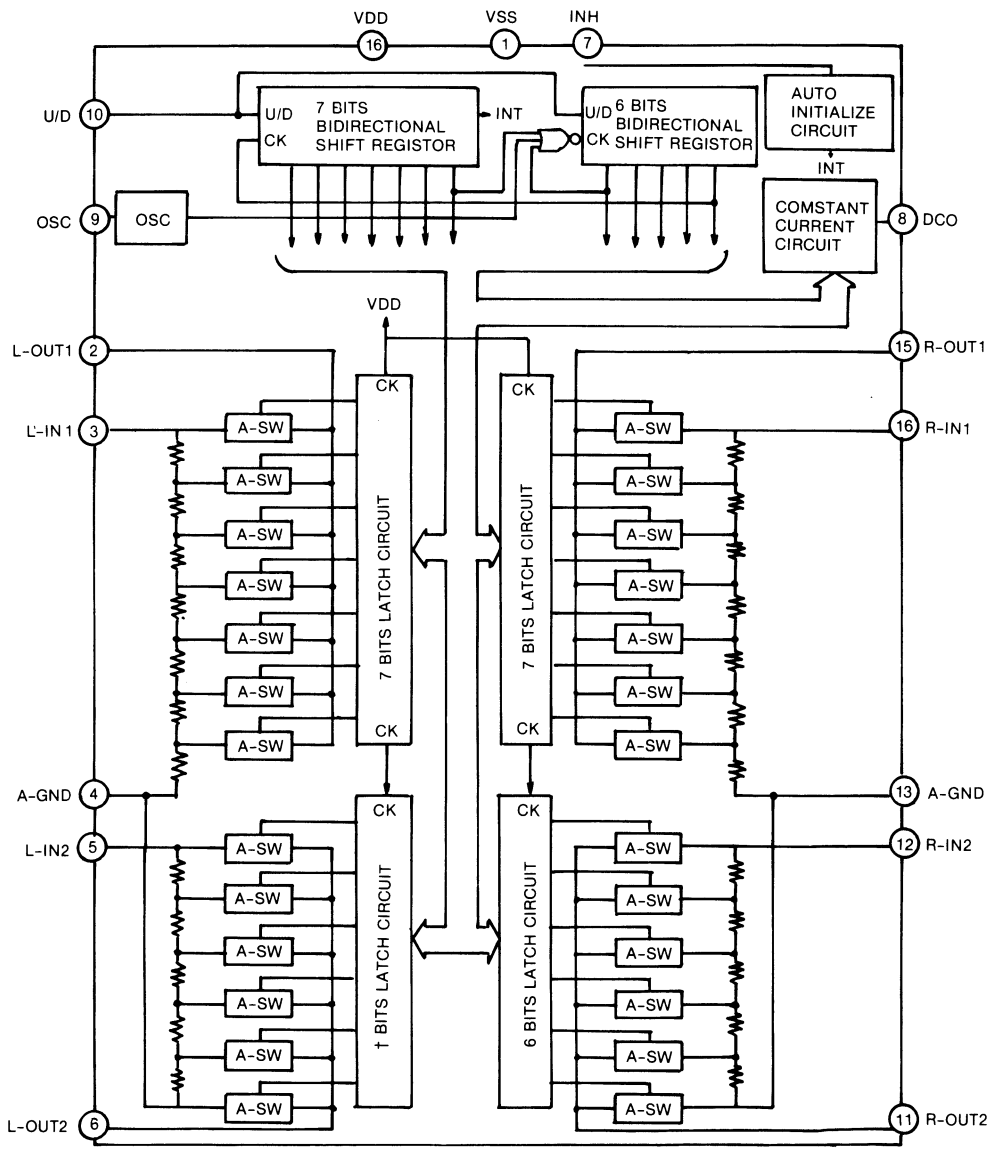
IC3 LC4066B (ALALOG SWITCH)



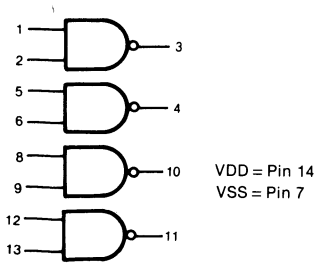
IC4,6,8,11 KIA75558P (DUAL OP AMP)



IC5 TC9153P (E-VOLM)

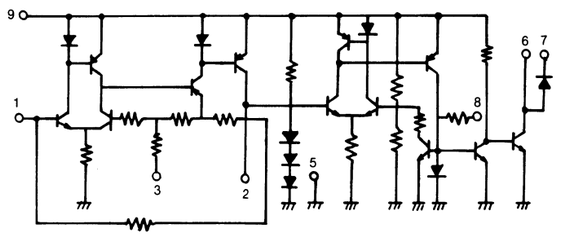


IC7 MC14011B

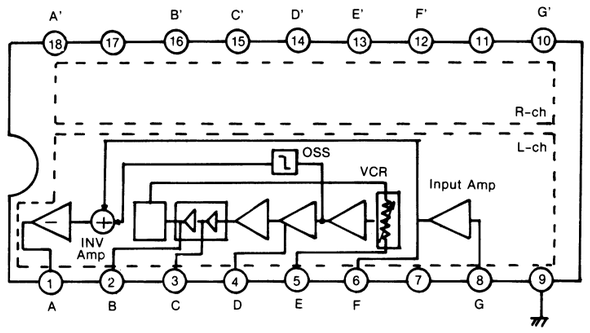


VDD = Pin 14
VSS = Pin 7

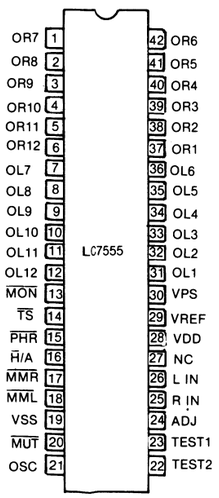
IC9 BA335 (APSS)

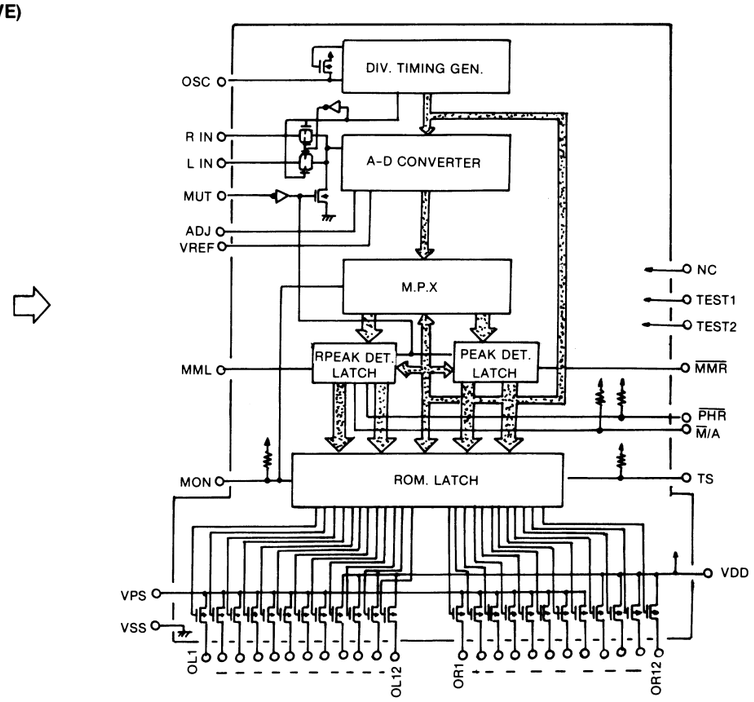


IC10 HA12045 (DOLBY)



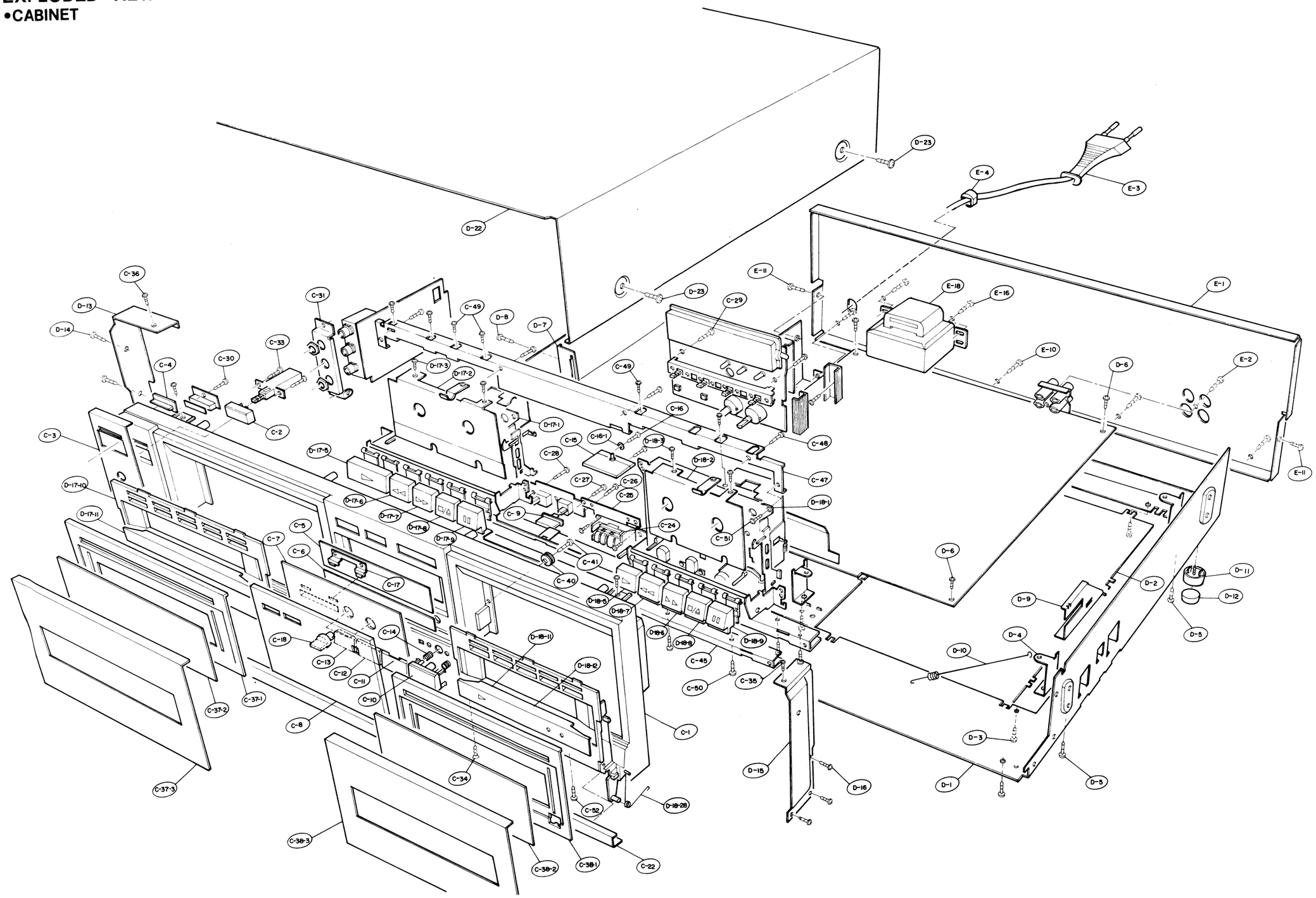
IC12 LC7555 (METER DRIVE)





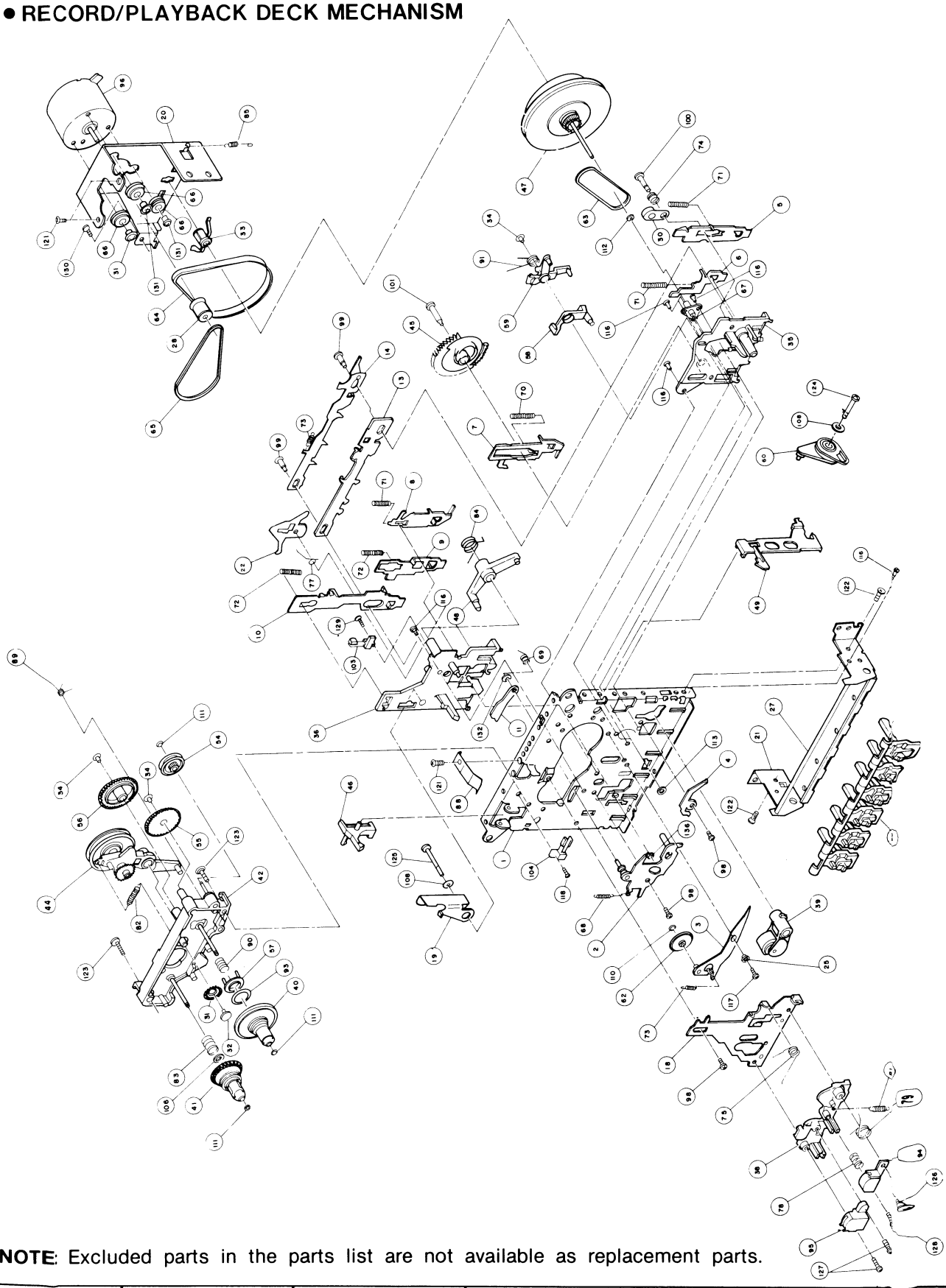
NOTES

EXPLODED VIEW
• CABINET



EXPLODED VIEW

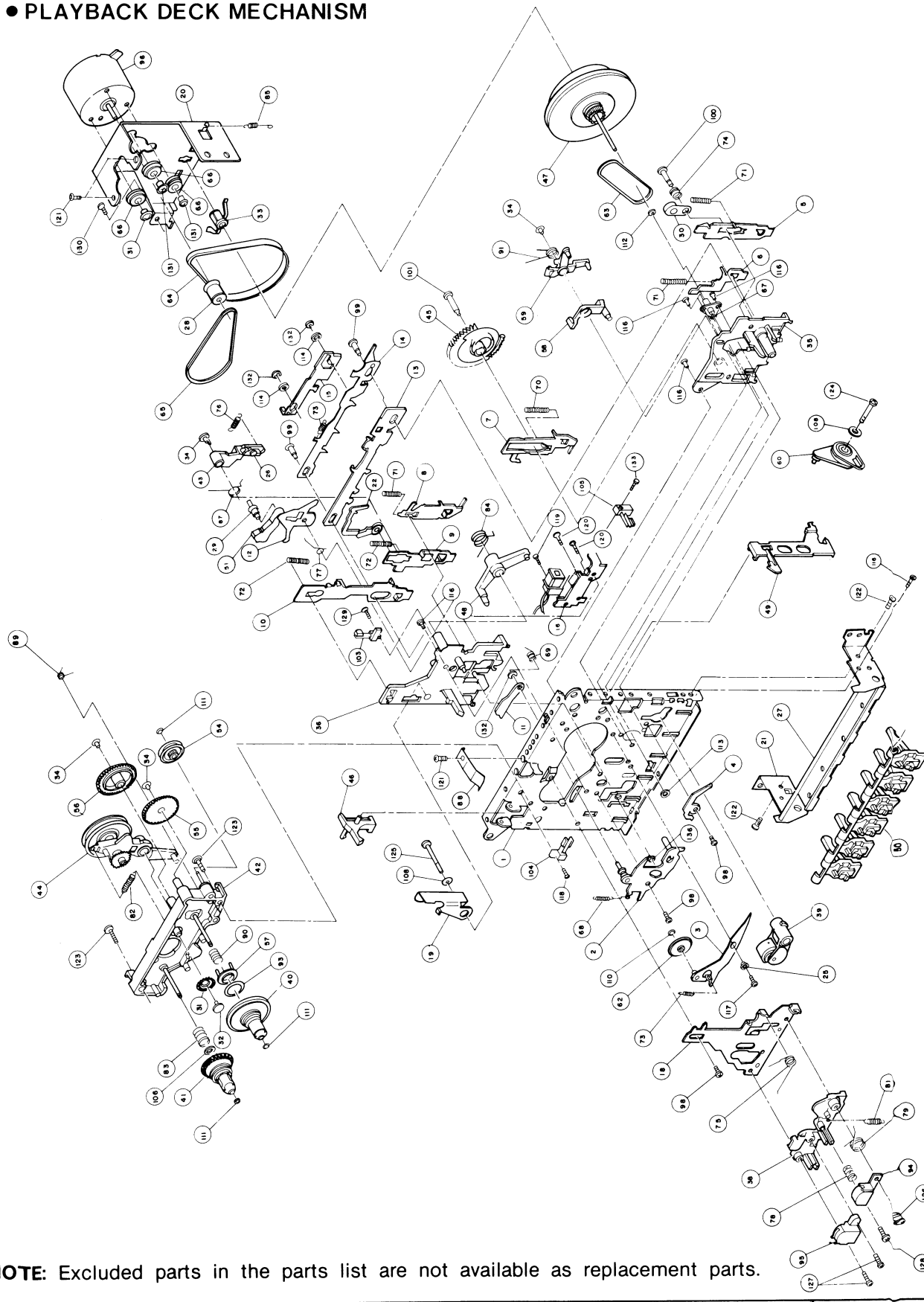
● RECORD/PLAYBACK DECK MECHANISM



NOTE: Excluded parts in the parts list are not available as replacement parts.

EXPLODED VIEW

• PLAYBACK DECK MECHANISM



NOTE: Excluded parts in the parts list are not available as replacement parts.

REPLACEMENT PARTS LIST

NOTE: Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO.	PART NO.	DESCRIPTION
	INTEGRATED CIRCUITS	
IC1, 2	668-621A	KIA7325P, Pre-Amp.
IC3	668-662A	LC4066B, Analog Switch
IC4	668-051F	KIA75558P, Dual OP Amp.
IC5	668-681A	TC9153AP, E-Volume
IC6	668-051F	KIA75558P, Dual Op Amp.
IC7	668-046A	MC14011BCP, Nand Gate
IC8	668-051F	KIA75558P, Dual Op. Amp.
IC9	668-672A	BA335, APSS
IC10	668-664A	HA12045, Dolby
IC11	668-051F	KIA75558P, Dual Op Amp.
IC12	668-088A	LC7555, Meter Drive
	TRANSISTORS	
TR101-103	665T812B	KTC1815-Y, NPN
TR104	665-816B	KTC732TM-BL, NPN
TR105	665T812B	KTC1815-Y, NPN
TR107	665-816B	KTC732TM-BL, NPN
TR108	662-606C	MPS9635C, NPN
TR109-111	665T812B	KTC1815-Y, NPN
TR112	665-708B	KTD526-Y, NPN
TR201-203	665T812B	KTC1815-Y, NPN
TR204	665-816B	KTC732TM-BL, NPN
TR205	665T812B	KTC1815-Y, NPN
TR207	665-816B	KTC723TM-BL, NPN
TR208	662-606C	MPS9635C, NPN
TR209	665T812B	KTC1815-Y, NPN
TR211	665T812B	KTC1815-Y, NPN
TR301,302	665T812B	KTC1815-Y, NPN
TR401	665-816B	KTC732TM-BL, NPN
TR402-412	665T812B	KTC1815-Y, NPN
TR430	665-881C	KTC2236A-Y, NPN
TR431	665-708B	KTD526-Y, NPN
TR432,433	665T812B	KTC1815-Y, NPN
TR451	665-816B	KTC732TM-BL, NPN
TR452-462	665T812B	KTC1815-Y, NPN
TR480	665-881C	KTC2236A-Y, NPN
TR501,502	665-708B	KTD526-Y, NPN
TR601	665T812B	KTC1815-Y, NPN
TR602	665-708B	KTD526-Y, NPN
TR603-608	665T812B	KTC1815-Y, NPN
TR610-614	665T812B	KTC1815-Y, NPN
TR615	665-813B	KTA1015-Y, PNP
TR616-624	665T812B	KTC1815-Y, NPN
TR625	665-881C	KTC2236A-Y, NPN
TR626	665-813C	KTA1015-GR, PNP
TR627	665T812B	KTC1815-Y, NPN
TR628	665-813C	KTA1015-GR, PNP
TR629-632	665T812B	KTC1815-Y, NPN
TR633,634	665-813B	KTA1015-Y, PNP
TR635-639	665T812B	KTC1815-Y, NPN
TR640	665-712A	KTA966A-Y, PNP
TR641-644	665T812B	KTC1815-Y, NPN
TR650	665T812B	KTC1815-Y, NPN
	DIODES	
D301,302	651-001D	Detect, 2-1K261
D303	652-605B	Switch, 1S2472
D351,352	651-001D	Detect, 2-1K261
D501	652-005D	Rectifier, DS4002
D601,602	652-005D	Rectifier, DS4002
D603	651T003A	Switch, DS4148
D604,605	652-005D	Rectifier, DS4002
D611-622	651T003A	Switch, DS4148
D623-627	651T031A	Switch, 1SS132
D628-631	651T003A	Switch, DS4148
D632	652T605B	Switch, 1S2472
D635-638	652T605B	Switch, 1S2472
BD501,502⚠	652-013A	Rectifier, W005M
LD1,2	653-617C	LED, SLC22UR3, RD
LD3	653-622B	LED, SLT35GG5, GN
LD5-7	653-617C	LED, SLC22UR3, RD
LD8-10	653-635A	LED, SLR34URC3, RD
LD11	653-636D	LED, SLR54GC3, GN
LD13,14	653-635A	LED, SLR34URC3, RD
LD16	653-636D	LED, SLR54GC3, GN
LD18	653-622B	LED, SLT35GG5, GN
LD19	653-636A	LED, SLR54URC3-N, RD
LD501	653-647A	LED, Flat LD701VR, RD
ZD101	654-723G	Zener, DZ10B
ZD501	654-724F	Zener, DZ24B
ZD502	654-724C	Zener, DZ13B
ZD601	654-724E	Zener, DZ18B
ZD801	654-724C	Zener, DZ13B
	COILS	
L101,102	638-601H	Trap or
	638-601C	Trap
L201,20	638-601H	Trap or
	638-601C	Trap
L401-402	638-601C	Trap
L403	638-601H	Trap or
	638-601C	Trap
L404	634-608C	Tape Osc.
L451-452	638-601C	Trap
L453	638-601H	Trap or
	638-601C	Trap
L601,602	639-003G	Inductor Fixed, 1mH
	VARIABLE RESISTORS	
SR101,102	613-002J	Semi-Fixed 100KB
SR121	613-002J	Semi-Fixed 100KB

REF. NO.	PART NO.	DESCRIPTION
SR201,202	613-002J	Semi-Fixed 100KB
SR221	613-002J	Semi-Fixed 100KB
SR301	613-002G	Semi-Fixed 47KB or
	613-007E	Semi-Fixed 47KB
SR351	613-002G	Semi-Fixed 47KB or
	613-007E	Semi-Fixed 47KB
SR401	613-002G	Semi-Fixed 47KB or
	613-007E	Semi-Fixed 47KB
SR402	613-002E	Semi-Fixed 150KB or
	613-007G	Semi-Fixed 150KB
SR451	613-002G	Semi-Fixed 47KB or
	613-007E	Semi-Fixed 47KB
SR452	613-002E	Semi-Fixed 150KB or
	613-007G	Semi-Fixed 150KB
SR601-604	613-002B	Semi-Fixed 2.2KB
VR101	611-649L	100KA
VR201	611-649L	100KA
	SWITCHES	
SW1	552-608A	Slide, CL114K
SW2, 3	558-026A	Tact, KPT-1105
SW4, 5	554-635A	Push, SPH121A
SW(6-9)	554-633M	Push, SPEA41
SW501	554-612F	Push, SDLIP
	MISCELLANEOUS	
J102	572-059A	Jack, Mic (L)
J103	572-059B	Jack, Headphone
J202	572-059A	Jack, Mic (R)
FIP301	659-014A	Display, FIP24BW16YS
	576-002A	Jack, Block
	641-748C	Trans, Power 220V
	PCB ASSEMBLIES	
	511-336A	PCB Assembly, Main
	511-337A	PCB Assembly, Sub
	CABINET PARTS	
C-1	258-018A	Panel, Front
C-2	273-058A	Knob, Power
C-3	246-709A	Decoration, Front Upper
C-4	236-059A	Window, Power LED
C-5	236-864A	Window, Filter
C-6	231-560J	Sheet, LED Display
C-7	236-865A	Window, Inner
C-8	236-866A	Window, Front
C-9	273-911A	Knob, Syncro Conti
C-10	273-915A	Knob, Function (Dolby NR)
C-11	273-915B	Knob, Function (ASAP)
C-12	273-915C	Knob, Function (High)
C-13	273-915D	Knob, Function (Dubbing)
C-14	442-635C	Spring
C-15	353-645A	Knob, Fader In Out
C-16	353-645A	Screw, Special
C-16-1	WPL1500H	Washer, Plain
C-17	463-003A	Lens, LED

REF. NO.	PART NO.	DESCRIPTION
C-18	273-916A	Knob, Record Volume
C-22	246-079B	Bracket Counter
C-24	517-118A	Tape Counter
C-25	321-014A	Bracket Counter
C-26	TCQ1836J	Screw, TCQ + 3 × 8
C-27	353-025J	Screw, Special 3 × 14
C-28	353-025J	Screw, Special 3 × 14
C-29	353-025F	Screw, Special 3 × 8
C-30	TBM0930J	Screw, Tapping Bind TBM + 2 × 6
C-31	321-024A	Bracket, Jack
C-33	353-025E	Screw, Special 3 × 6
C-34	TCQ1830J	Screw, Tapping TC3 + 3 × 6
C-35	TCQ1830J	Screw, Tapping TC3 + 3 × 6
C-36	TCQ1830J	Screw, Tapping TC3 + 3 × 6
C-37	236-199A	Window Assembly, Cassette Door (Left)
C-37-1	324-435A	Holder, Door Cassette
C-37-2	236-863A	Window, Cassette Door
C-37-3	246-710A	Decoration, Cassette Door
C-38	236-202A	Window Assembly, Cassette Door (Right)
C-38-1	324-435A	Holder, Door Cassette
C-38-2	236-863A	Window, Cassette Door
C-38-3	246-710B	Decoration, Cassette Door
C-40	434-660A	Roller
C-41	TBM0930J	Screw, Tapping Bind TBM + 2 × 6
C-45	313-944A	Chassis, Deck Down
C-47	313-945A	Chassis, Deck Up
C-48	353-025F	Screw, Special 3 × 8
C-49	353-022B	Screw, Taptite Bind M2.6 × 6
C-50	353-022B	Screw, Taptite Bind M2.6 × 6
C-51	TCQ1836J	Screw, TCQ + 3 × 8
C-52	TCQ1830J	Screw, Tapping TC3 + 3 × 6
D-1	313-003A	Chassis, Bottom
D-2	256-035A	Plate, Bottom
D-3	TRQ1836J	Screw, TRQ2 + 3 × 8A
D-4	321-015A	Bracket, PWB
D-5	TRQ1836J	Screw, TRQ2 + 3 × 8A
D-6	TRQ1836J	Screw, TRQ2 + 3 × 8A
D-7	324-427A	Holder, Jack PWB
D-8	TRQ1836J	Screw, TRQ2 + 3 × 8A
D-9	321-016A	Bracket, Record
D-10	442-561D	Spring, Record
D-11	265-027A	Foot
D-12	472-610D	Felt
D-13	321-021A	Bracket, Front Left
D-14	TRQ1830J	Screw, TRQ2 + 3 × 6A
D-15	321-020A	Bracket, Front Right
D-16	TRQ1830J	Screw, TRQ2 + 3 × 6A
D-17-1	419-004L	Deck, Mechanism GT93FMSF Playback
D-17-2	221-915A	Cover, CST Mech
D-17-3	353-022C	Screw, Taptite M2.6 × 4
D-17-4	442-004Z	Spring
D-17-5	273-910A	Knob, Cassette Play
D-17-6	273-909G	Knob, Cassette Function (REW/REV)

REF. NO.	PART NO.	DESCRIPTION
D-17-7	273-909H	Knob, Cassette Function (F.F/CUE)
D-17-8	273-909D	Knob, Cassette Function (STOP)
D-17-9	273-909E	Knob, Cassette Function (PAUSE)
D-17-10	326-628A	Door, Cassette
D-17-11	246-707A	Decoration, Cassette LED A
D-18-1	419-004K	Deck Mechanism, GT94FMF Record/Playback
D-18-2	221-915A	Cover, Cassette Mechanism
D-18-3	353-022C	Screw, Taptite M2.6 × 4
D-18-5	273-909A	Knob, Cassette, Function (PLAY)
D-18-6	273-909B	Knob, Cassette Function (F.F)
D-18-7	273-909C	Knob, Cassette Function (REW)
D-18-8	273-909D	Knob, Cassette Function (STOP)
D-18-9	273-909E	Knob, Cassette, Function (PAUSE)
D-18-10	273-909F	Knob, Cassette Function (REC)
D-18-11	226-628A	Door, Cassette
D-18-12	245-708A	Decoration, Cassette LED B
D-18-28	442-211A	Spring, Cassette
D-22	213-006A	Cabinet
D-23	353-633A	Screw, Special
E-1	258-022D	Panel, Back
E-2⚠	681-004F	Cord, Power
E-3	353-025B	Screw, Special 3 × 8 FBK
E-4	324-348B	Holder, Cord
E-10	TRQ1836I	Screw, TRQ2 + 3 × 8A
E-11	TRQ1836J	Screw, TRQ2 + 3 × 8A
E-16	353-027G	Screw, Special
E-18⚠	641-748C	Trans, Power 220V

RECORD/PLAYBACK DECK MECHANISM PARTS

3	99X-0952	Idler Arm (HT) Assembly
20	99X-0967	Motor Holder
28	99X-1185	Motor Pulley
30	99X-0972	Pause Cam
39	99X-0980	P roller Arm Assembly
40	99X-0981	T Reel Assembly
41	99X-0982	S Reel Assembly
46	99X-0986	Record Sensor
49	99X-0989	Eject Lever (F)
60	99x-0999	Damper Assembly
63	99X-1001	Auto Belt
64	99X-1190	Drive Belt MD
65	99X-1191	FR Belt MD
66	99X-1004	Motor Cushion MD
67	99X-1192	Housing Assembly
68	99X-1006	Shift Arm Spring
69	99X-1007	Record Lever Spring (B)
70	99X-1008	FF Lever Spring
71	99X-1009	Record Lever Spring
72	99X-1010	Lever Spring
73	99X-1011	Cam Spring
74	99X-1012	Pause Cam Spring
75	99X-1013	Head Chassis Spring
78	99X-1015	Head Spring
79	99X-1016	Roller Spring
85	99X-1022	Eject Lever Spring
88	99X-1023	Pack Spring
94	99X-1029	RP Head
95	99X-1030	E Head
96	99X-1031	Motor
103	99X-1036	Leaf Switch
104	99X-1037	Leaf Switch
106	99X-1038	Reel Washer
108	99X-1040	Plain Washer
126	99X-1053	Binding Screw
127	99X-1054	Binding Screw
128	99X-1055	Washer Head Screw
131	99X-1058	Motor Screw

PLAYBACK DECK MECHANISM PARTS

3	99X-0952	Idler Arm (MT) Assembly
20	99X-0967	Motor Holder
28	99X-1185	Motor Pulley
30	99X-0972	Pause Cam
39	99X-0980	P roller Arm Assembly
40	99X-0981	T Reel Assembly
41	99X-0982	S Reel Assembly
49	99X-0989	Eject Lever (F)
60	99X-0999	Damper Assembly
63	99X-1001	Auto Belt
64	99X-1190	Drive Belt MD
65	99X-1191	FR Belt MD
66	99X-1004	Motor Cushion MD
67	99X-1192	Housing Assembly
68	99X-1006	Shift Arm Spring
69	99X-1007	Record Lever Spring (B)
70	99X-1008	FF Lever Spring
71	99X-1009	Record Lever Spring
72	99X-1010	Lever Spring
73	99X-1011	Cam Spring
74	99X-1012	Pause Cam Spring
75	99X-1013	Head Chassis Spring
78	99X-1015	Head Spring
79	99X-1016	Roller Spring
83	99X-1194	Back Tention SP
85	99X-1022	Eject Lever Spring
88	99X-1023	Pack Spring
94	99X-1029	RP Head
95	99X-1030	E Head
96	99X-1031	Motor
103	99X-1036	Leaf Switch
104	99X-1037	Leaf Switch
105	99X-1198	Leaf Switch
106	99X-1038	Reel Washer
107	99X-1039	Lumiler Washer
108	99X-1040	Plain Washer
126	99X-1053	Binding Screw
127	99X-1054	Binding Screw
128	99X-1055	Washer Head Screw
131	99X-1058	Motor Screw
132	99X-1059	E-ring
137	99X-1205	Washer (B)

PACKING OF THE SET